

09/419793

ABSTRACT OF THE DISCLOSURE

A head suspension assembly includes a magnetic head slider with at least one thin-film magnetic head element, a support member for supporting the magnetic head slider at a top end portion thereof, a drive circuit electrically connected to the at least one thin-film magnetic head element, and at least two diode elements connected toward one direction in parallel with terminals which are connected across the at least one thin-film magnetic head element. Each of the diode elements has a turn-on voltage higher than the maximum output voltage of the at least one thin-film magnetic head element.

09/419793 101899

